

In the Claims:

Claims 1 – 4 (Cancelled)

5. (Original) An apparatus for testing a sample of biologic fluid quiescently residing within a chamber, said apparatus comprising:

a field illuminator for selectively illuminating a field of the sample, said field having a known or ascertainable area;

an image dissector for converting an image of light passing through or emanating from the field of the sample into an electronic data format useful for test purposes;

a positioner operable to selectively change the relative position of any or all of the chamber, the field illuminator, or the image dissector, thereby enabling selective illumination of a plurality of the sample fields within the chamber; and

means for determining one of a through-plane thickness or a volume of each sample field.

6. (Original) The apparatus of claim 5 further comprising means for spatially locating the relative positions of any or all of the chamber, the field illuminator, or the image dissector, to enable selective imaging of any particular spatial location within the chamber.

7. (Presently Amended) An apparatus for testing a sample of biologic fluid, said apparatus comprising:

a container that includes a chamber for quiescently holding the sample during the test, ~~and one or more features operable to enable the testing of the sample, wherein at least one of the one or more features is positioned at a known spatial location within the chamber;~~

a field illuminator for illuminating a portion or all of the chamber;

an image dissector for converting an image of light passing through or emanating from the sample into an electronic data format useful for test purposes; and

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means for determining one of a through-plane thickness or a volume of each sample field.

Claims 8 and 9 (Withdrawn)